

Anti-ZIP3 SLC39A3 Antibody

Catalog Number: A09478

About SLC39A3

The zinc transporter ZIP3, also known as SLC39A3, is a member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. Similar to knock-outs of ZIP1 and ZIP2, ZIP3-null mice have no phenotypic differences compared to wild-type mice. Only when ZIP1, ZIP2, and ZIP3 genes are all eliminated and these mutant mice are fed a zinc-deficient diet do abnormalities such as reduced embryonic-membrane bound alkaline phosphatase activity and abnormal development occur, indicating that the ZIP1-3 proteins play an important, noncompensatory role when zinc is deficient. More recent studies have shown that ZIP2 and ZIP3 are down regulated in human prostate adenocarcinomatous glands, and may be important in the retention of zinc in the cellular compartment.

Overview

Product Name	Anti-ZIP3 SLC39A3 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-ZIP3 SLC39A3 Antibody (Catalog # A09478). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	ZIP3 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	ZIP3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9BRY0

Technical Details

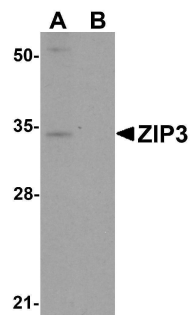
Immunogen	ZIP3 antibody was raised against a 16 amino acid synthetic peptide near the center of human ZIP3. The immunogen is located within amino acids 110 - 160 of ZIP3.
Predicted Reactive Species	Bovine, Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ZIP3 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

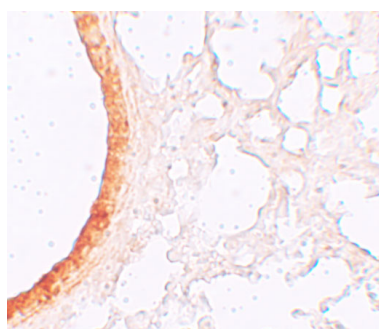
ZIP3 antibody can be used for detection of ZIP3 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL.

Antibody validated: Western Blot in mouse samples and Immunohistochemistry in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-ZIP3 SLC39A3 Antibody (A09478) Images



Western blot analysis of ZIP3 in mouse lung tissue lysate with ZIP3 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of ZIP3 in mouse lung tissue with ZIP3 antibody at 5 ug/mL.

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-ZIP3 SLC39A3 Antibody

For Research Use Only. Not for use in diagnostic procedures.